Claim

1. A new and distinct mint plant of *Mentha piperita* '*Indus*', selected through screening, field trial and analysis of monoterpene constituents of the essential oil of the germplasm, possessing the following combination of characters:

    a. the said plant produces high amount of menthofuran ranging between 22 to 30% of total oil content,

    b. the said plant produces high amount pulegone ranging between 9.0 to 18% of total oil content,

    c. the said plant produces essential oil content ranging between 0.32 to 0.40% of the total oil content,

    d. the said plant produces herbage yield ranging between 200-220 Q per ha,

    e. the said plant is of height ranging between 65 to 70 cms, with plant canopy of area ranging between 78-85 cms,

    f. the said plant shows resistance against leaf spot, rust, powdery mildew, lepidopteran pest *Spilarctia obliqua*,

    ix. the said plant has Quadrangular, woody stems, of color purplish green with RHS color code of 59A,

    x. the said plant has simple, opposite, and decussate leaves, of dark green color with color code of RHS 137A,

    xi. the said plant has leaves of chartaceous texture,

    xii. the said plant's leaves has Glabrous dorsal surface, with hairy on ventral veins,

xiii. the said plant has leaves of ovate-elliptical shape, with serrate margins,

xiv. the said plant has leaves with acute-acuminate tip, obtuse base, and broad size,

xv. the said plant has leaf with petiole of length ranging between 0.5 to 0.9 cm,

xvi. the said plant has leaf with of area about 7.91 cm^2,

xvii. the said plant has leaf with length ranging between 1.2 to 4.3 cm,

xviii. the said plant has leaf width ranging between 0.6 to 2.6 cms,

xix. the said plant has inflorescence of nature terminal spike,

xx. the said plant has flowers of following traits:

xxi. arranged in whorls,

xxii. smooth pedicel,

xxiii. green color pedicel with RHS code 137B,

xxiv. calyx is glabrous, tubular, 5-lobed, margin ciliated, yellow green with RHS color code of 146C,

xxv. corolla is purple, tubular, 4-lobed, with subsequeal lobes,

xxvi. white flowers,

xxvii. anthers are four in number, exserted, grayed-red with RHS code of 181A,

xxviii. stigma is bifid.

xxix. the said plant is able to produce higher herbage, menthofuran and pulegone yield per unit area as compared to other existing improved varieties,

xxx. the said plant produce high menthofuran when harvested 75 days after planting and 115 days after planting,

xxxi. the said plant produce high pulegone when harvested 75 days after planting,

xxxii. the said plant is able to produce higher pulegone and menthofuran due to up regulation and thus has the potential to isolate regulatory factors for monoterpene metabolism, and

xxxiii. the said plant has distinct molecular profile by random amplified polymorphic DNA (RAPD) using 20 random primers (OPA) distinguishing the plant from the other existing varieties.